

CASE 2199: Application of TELACO INC
for an oil triple of its A. H.
ELINERY (NCT-1-), Lea County, N.M.

Case No.

2199

Application, Transcript,
Small Exhibits, Etc.

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

TRIPLE

APPLICATION FOR ~~DUAL~~ COMPLETION

| | | | | |
|---|-------------------|--|-------------------------|---------------------------------|
| Field Name Drinkard, Blinebry (Oil) & Paddock | | County Lea | | Date January 23, 1961 |
| Operator TEXACO Inc. | | Lease A. H. Blinebry (NCT-1) | | Well No. 13 |
| Location of Well E | Unit 29 | Section 22-S | Township 38-E | Range 38-E |

1. Has the New Mexico Oil Conservation Commission heretofore authorized the ~~XXX~~ completion of a well in these same pools or in the same zones within one mile of the subject well? YES _____ NO X **triple**
2. If answer is yes, identify one such instance: Order No. _____; Operator, Lease, and Well No.:

| 3. The following facts are submitted: | Upper Zone | Middle Zone | Lower Zone |
|--|------------------------|--------------------|-------------------------|
| a. Name of reservoir | Paddock | Blinebry | Drinkard |
| b. Top and Bottom of Pay Section (Perforations) | 5160'-5180' | 5570'-5670' | 6830'-7000' (OH) |
| c. Type of production (Oil or Gas) | Oil | Oil | Oil |
| d. Method of Production (Flowing or Artificial Lift) | Artificial Lift | Flowing | Flowing |

4. The following are attached. (Please mark YES or NO)

- Yes a. Diagrammatic Sketch of the ^{Triple}~~XXX~~ Completion, showing all casing strings, including size and setting, top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door ~~chokes~~, and such other information as may be pertinent.
- Yes b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- No c. Waivers consenting to such ^{Triple}~~XXX~~ completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*
- *No d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address. Co

Gulf Oil Corp., P. O. Box 669, Roswell, New Mexico

R. M. Moran, P. O. Box 1718, Hobbs, New Mexico

Western Oil Fields, Inc., P. O. Box 1147, Hobbs, New Mexico

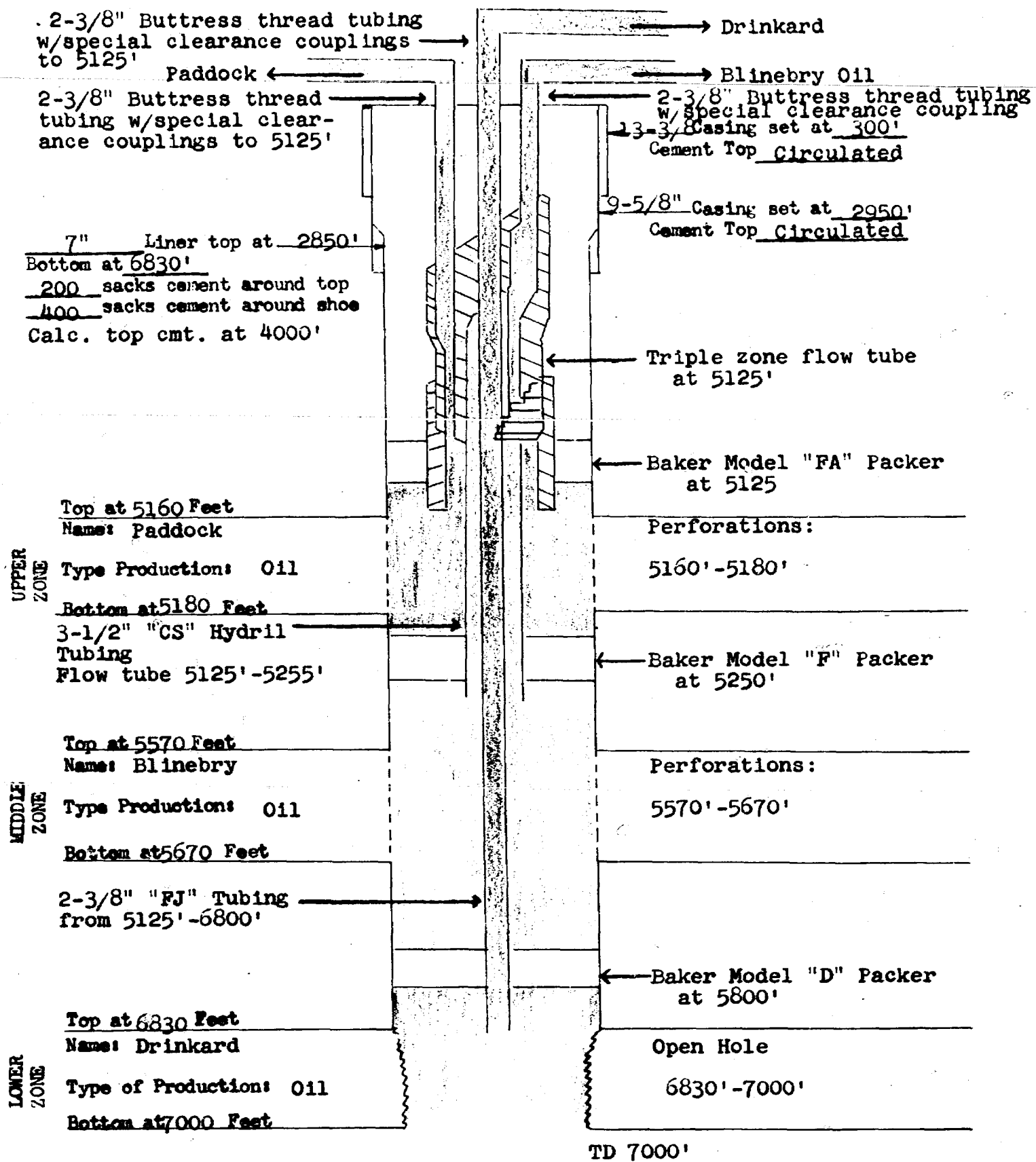
6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES _____ NO X . If answer is yes, give date of such notification _____

CERTIFICATE: I, the undersigned, state that I am the Div. Proportion Engr. of ~~XX~~ **TEXACO Inc.** (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

*Not available

J. E. Robinson, Jr. Signature

- * Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.
- NOTE: If the proposed dual completion will result in an unorthodox well location and/or a non-standard proportion unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.



DIAGRAMMATIC SKETCH-TRIPLE COMPLETION INSTALLATION

COMPANY: TEXACO Inc.
LEASE & WELL NO : A. H. Blinebry (NCT-1) Well No. 13
FIELD: Drinkard, Blinebry (Oil), Paddock
DATE: January 23, 1961

TEXACO
INC.

PETROLEUM PRODUCTS



DOMESTIC PRODUCING DEPARTMENT
MIDLAND DIVISION

P. O. BOX 2109
MIDLAND, TEXAS

February 6, 1961

TRIPLE COMPLETION

A. H. Blinebry (NCT-1) Well No. 13,
Drinkard, Blinebry (Oil), and
Paddock Pools, Unit E, Section 29,
T-22-S, R-38-E, Lea County, New Mexico

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attn: Mr. A. L. Porter

Gentlemen:

TEXACO Inc. is the owner of its A. H. Blinebry (NCT-1) Lease located in the E/2 of Section 19, the W/2 of the NW/4, the E/2 of the NE/4, and the S/2 of Section 20, the W/2 of Section 21, the NW/4 and the N/2 of the NE/4 of Section 29, and the W/2 of Section 28, all located in T-22-S, R-38-E, Lea County, New Mexico. We are presently drilling our Well No. 13 on subject lease and desire to triple complete in the Drinkard, Blinebry (Oil), and Paddock Pools. It is anticipated that the Drinkard will be completed through the open hole interval 6830' to 7000'. The Blinebry will be completed through perforations 5570' to 5670'. The Paddock will be completed through perforations 5160' to 5180'. All three zones will be completed for oil production with the Paddock zone being pumped and the other two zones flowing.

Attached in triplicate are copies of a plat showing the proposed well with the names and addresses of the offset operators, a schematic diagram of the proposed triple completion installation and the application for triple completion.

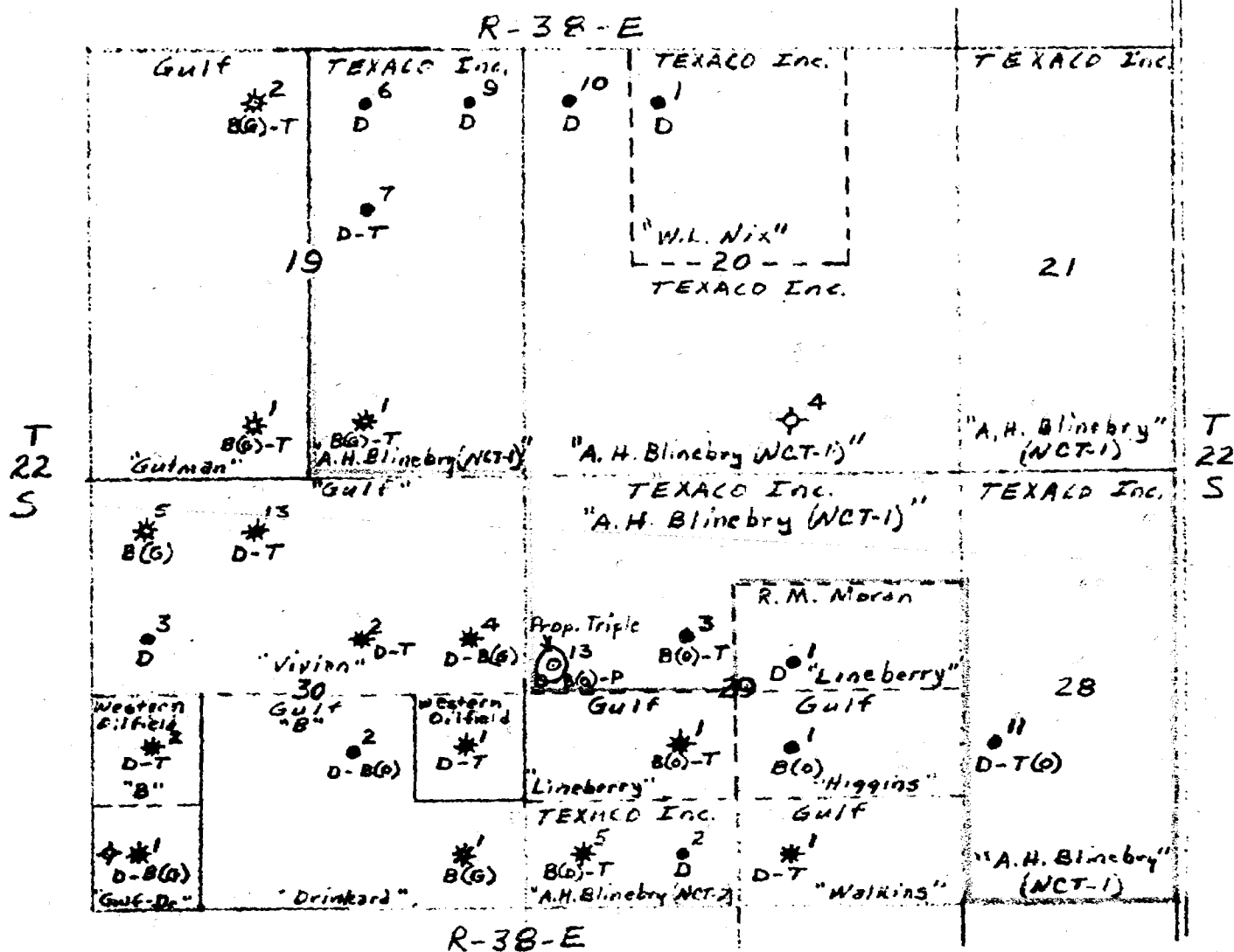
It is requested that this application be scheduled on the first available docket.

Yours very truly,

J. E. Robinson, Jr.
J. E. Robinson, Jr.

Division Proration Engineer

*Cocket
Mailed
2-17-61*
JERjr.-MM
Attach.



**PLAT OF TEXACO Inc. A. H. BLINEBRY (NCT-1) LEASE
AND OFFSET LEASES**

Lea County, New Mexico

Scale: 1" = 2000' LMF 1-23-61

LEGEND

B1(G) - Blinebry Gas Pool
 B1(O) - Blinebry Oil Pool
 D - Drinkard Pool
 T - Tubb Gas Pool
 T(O) - Tubb Oil Pool
 P - Paddock Pool

OFFSET OPERATORS

Gulf Oil Corp., Box 669, Roswell, N. M.
 R. M. Moran, Box 1718, Hobbs, N. M.
 Western Oil Fields, Inc., Box 1147,
 Hobbs, New Mexico

Offset Paddock 1/2 mi North.

BEFORE EXAMINER NUTTER
 OIL CONSERVATION COMMISSION
Appl. EXHIBIT NO. 1
 CASE NO. 2199

DOCKET: EXAMINER HEARING - FRIDAY, MARCH 3, 1961

OIL CONSERVATION COMMISSION - 9 A.M., CONFERENCE ROOM - STATE LAND OFFICE
BUILDING, SANTA FE, NEW MEXICO

The following cases will be heard before Daniel S. Nutter, Examiner, or
Oliver E. Payne, attorney, as alternate examiner:

Cases 2210 through 2213 will not be heard before 1:00 P.M.

CASE 2199: Application of Texaco, Inc. for an oil-oil-oil triple completion. Applicant, in the above-styled cause, seeks an order authorizing the triple completion of its A. H. Blinebry (NCT-1) Well No. 13, located in Unit E, Section 29, Township 22 South, Range 38 East, Lea County, New Mexico, in such a manner as to permit the production of oil from the Drinkard Pool, the production of oil from the Blinebry Oil Pool and the production of oil from the Paddock Pool through parallel strings of tubing.

CASE 2200: Application of Aztec Oil & Gas Company for a 320-acre non-standard gas proration unit. Applicant, in the above-styled cause, seeks the establishment of a 320-acre non-standard gas proration unit in the Basin-Dakota Pool consisting of the SE/4 SE/4 of Section 23 and all of the W/2 of Section 24 except the NW/4 NW/4, Township 31 North, Range 12 West, San Juan County, New Mexico. Said unit is to be dedicated to the East Well No. 5, located 990 feet from the South line and 1650 feet from the West line of said Section 24.

CASE 2201: Application of El Paso Natural Gas Company for a gas-gas dual completion utilizing two strings of casing. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Huerfano Unit Well No. 116, located in Unit C, Section 11, Township 26 North, Range 10 West, San Juan County, New Mexico, in such a manner as to permit the production of gas from the Gallup formation adjacent to the Angels Peak-Gallup Pool and the production of gas from the Basin-Dakota Pool through parallel strings of 2 7/8-inch casing cemented in a common well bore.

CASE 2202: Application of Pan American Petroleum Corporation for permission to commingle the production from two separate pools. Applicant, in the above-styled cause, seeks permission to commingle the oil production from the Drinkard and Paddock Pools from all wells presently completed on the Eva Owen B Lease, comprising the SW/4 of Section 34, Township 21 South, Range 37 East, Lea County, New Mexico, without separately metering the production from each pool.

CASE 2203: Application of Pan American Petroleum Corporation for permission to commingle the production from two separate pools. Applicant, in the above-styled cause, seeks permission to commingle the oil production from the Drinkard and Paddock Pools from all wells presently completed on the L. E. Grizzel "B" Lease, comprising the S/2 NE/4 of Section 8, Township 22 South, Range 37 East, Lea County, New Mexico, without separately metering the production from each pool.

CASE 2204: Application of Pan American Petroleum Corporation for permission to commingle the production from two separate pools. Applicant, in the above-styled cause, seeks permission to commingle the oil production from the Drinkard and Penrose-Skelly Pools from all wells presently completed on the J. W. Grizzell Lease, comprising the SW/4 of Section 5, Township 22 South, Range 37 East, Lea County, New Mexico, without separately metering the production from each pool.

CASE 2205: Application of Tamanaco Oil Corporation for an unorthodox well location. Applicant, in the above-styled cause, seeks approval of an unorthodox well location for its El Poso Ranch N-11 Well at a point 175 feet from the South line and 1700 feet from the West line of Section 11, Township 28 North, Range 1 East, Rio Arriba County, New Mexico.

CASE 2206: Application of The Ohio Oil Company for permission to transfer allowables. Applicant, in the above-styled cause, seeks permission to shut-in certain wells in the Lea Unit, both in the Devonian and Bone Springs formations, and transfer the allowable for such wells, for a limited period of time, to other wells within said Lea Unit, Township 20 South, Ranges 34 and 35 East, Lea County, New Mexico.

CASE 2207: Application of Honolulu Oil Corporation for a pressure maintenance project. Applicant, in the above-styled cause, seeks permission to institute a pressure maintenance project in the Chisum Oil Pool, Chaves County, New Mexico, by the injection of water into certain wells underlying its State B Lease, N/2 SE/4 of Section 13, Township 11 South, Range 27 East. Applicant further seeks the promulgation of special rules and regulations governing said project.

CASE 2208: Application of Great Western Drilling Company for a water injection-oil producing dual completion and for an exception to Rule 107 (d). Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Federal MM Well No. 1, located in the NW/4 NE/4 of Section 8, Township 9 South, Range 37 East, Lea County, New Mexico, in such a manner as to permit the injection of water into an interval from 4300 feet to 9400 feet and the production of oil from an undesignated Pennsylvanian pool. Applicant further seeks an exception to Rule 107 (d) to permit the setting of tubing in said well more than 250 feet above the top of the pay section.

CASE 2209: Application of The Atlantic Refining Company for permission to commingle the production from two separate pools and for an automatic custody transfer system. Applicant, in the above-styled cause, seeks permission to commingle the oil production from the Denton-Wolfcamp and Denton-Devonian Pools from all wells presently completed or hereafter drilled on the State "T" Lease, comprising the SE/4 NW/4, E/2 SW/4 and SW/4 SW/4 of Section 2, Township 15 South, Range 37 East, Lea County, New Mexico. Applicant further seeks permission to install an automatic custody transfer system to handle said commingled production.

The following cases will not be heard before 1:00 P.M.

CASE 2210: Application of Humble Oil & Refining Company for an automatic custody transfer system. Applicant, in the above-styled cause, seeks permission to install an automatic custody transfer system to handle the commingled production from the Eumont, Arrowhead and Langlie-Mattix Pools from all wells presently completed or hereafter drilled on the State "M" Lease, comprising portions of Sections 17, 18, 19, 20, 29 and 30, Township 22 South, Range 37 East, Lea County, New Mexico.

CASE 2211: Application of Union Oil Company of California for an unorthodox water injection well location. Applicant, in the above-styled cause, seeks permission to locate a water injection well in the South Caprock Queen Unit, Caprock-Queen Pool, at an unorthodox location 1325 feet from the North line and 330 feet from the East line of Section 18, Township 15 South, Range 31 East, Chaves County, New Mexico.

CASE 2212: Application of Union Oil Company of California for permission to commingle the production from two separate leases from two separate pools and for an automatic custody transfer system. Applicant, in the above-styled cause, seeks permission to commingle the Anderson Ranch-Devonian and Anderson Ranch-Wolfcamp Pool production from all wells presently completed or hereafter drilled on the following-described leases: North Anderson Ranch Unit, E/2 NE/4 and NE/4 SE/4 of Section 32 and NW/4 and N/2 SW/4 of Section 33; State "A" Lease, comprising 360 acres in Sections 28 and 33, all in Township 15 South, Range 32 East, Lea County, New Mexico. Applicant further seeks permission to install an automatic custody transfer system to handle said commingled production.

CASE 2213: Application of E. G. Rodman for a 160-acre non-standard gas proration unit. Applicant, in the above-styled cause, seeks the establishment of a 160-acre non-standard gas proration unit in the Blinebry Gas Pool consisting of the W/2 NW/4, NE/4 NW/4 and NW/4 NE/4 of Section 20, Township 21 South, Range 37 East, Lea County, New Mexico.

CASE 2214: Application of Sinclair Oil & Gas Company for approval of a unit agreement. Applicant, in the above-styled cause, seeks approval of the Keel Deep Unit Agreement, which unit embraces 6,155.5 acres of Federal and State lands in Township 17 South, Range 31 East, Eddy County, New Mexico.

2-3/8" Buttress thread tubing
w/special clearance couplings
to 5125' Paddock

2-3/8" Buttress thread
tubing w/special clear-
ance couplings to 5125'

7" Liner top at 2850'
Bottom at 6830'
200 sacks cement around top
400 sacks cement around shoe
Calc. top cmt. at 4000'

*reformer @
2860 squeezed
w/200 sk.*

Top at 5160 Feet
Name: Paddock

UPPER ZONE
Type Production: Oil
Bottom at 5180 Feet
3-1/2" "CS" Hydril
Tubing
Flow tube 5125'-5255'

Top at 5570 Feet
Name: Blinebry

MIDDLE ZONE
Type Production: Oil

Bottom at 5670 Feet
2-3/8" "PJ" Tubing
from 5125'-6800'

Top at 6830 Feet
Name: Drinkard

LOWER ZONE

Type of Production: Oil
Bottom at 7000 Feet

Well @ TD testing DN
expect DN to flow to depletion.

DIAGRAMMATIC SKETCH-TRIPLE COMPLETION INSTALLATION

COMPANY:
LEASE & WELL NO :
FIELD:
DATE:

TEXACO Inc.
A. H. Blinebry (NCT-1) Well No. 13
Drinkard, Blinebry (Oil), Paddock
January 23, 1961

Drinkard
Blinebry Oil
2-3/8" Buttress thread tubing
w/special clearance coupling
13-3/8" Casing set at 300' 510'
Cement Top Circulated
400 sk circ.

9-5/8" Casing set at 2950'
Cement Top Circulated
9 7/8" 2950, 2000 SK
Circ

Triple zone flow tube
at 5125'

Baker Model "FA" Packer
at 5125' 5128'

Perforations:

5160'-5180'

Baker Model "F" Packer
at 5250'

Perforations:

5570'-5670'

8 3/4" hole

to 6828, reduce
Baker Model "D" Packer
at 5800' 7000'

Open Hole 7" liner
2857' 6830'-7000' 6828' 400 sk

BEFORE EXAMINER-NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 2
CASE NO. 2189

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Date 3/6/61

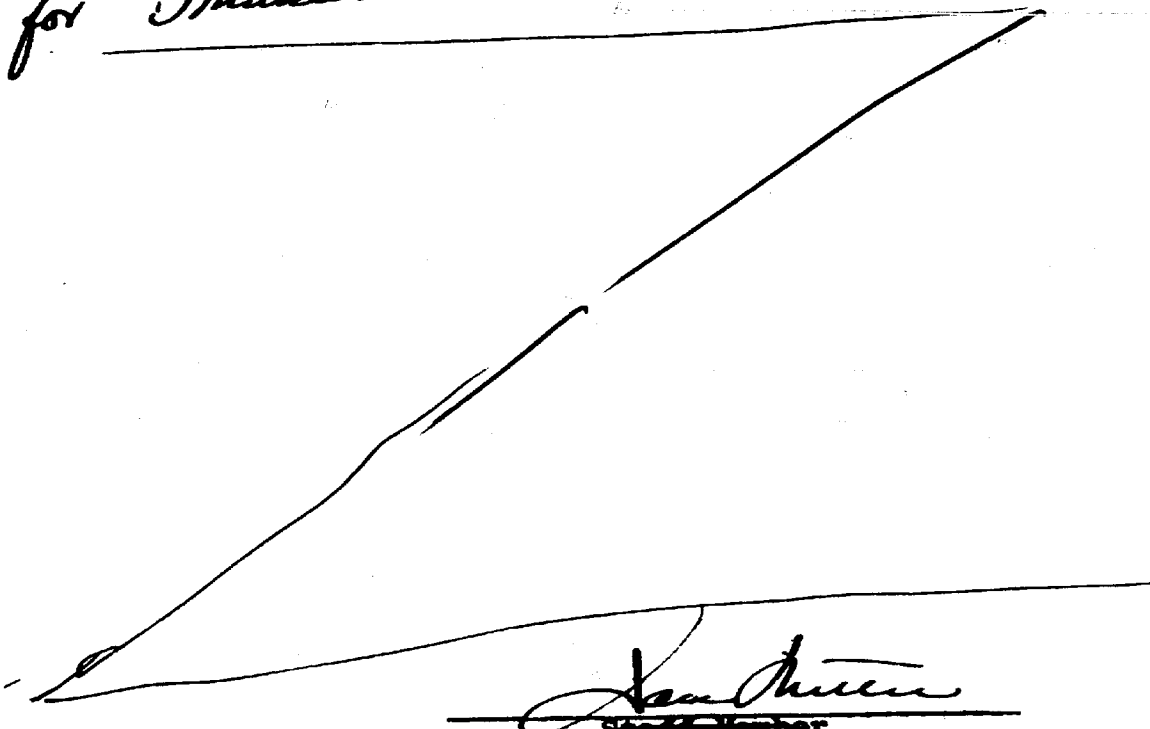
CASE NO. 2199

HEARING DATE 9am 3/6/61 DSN@SF

My recommendations for an order in the above numbered case(s) are
as follows:

Enter order approving triple completion
as requested by Texaco.

Require Picker leakage tests
during annual GOR test period
for Drinkard Pool.


Staff Member
Examiner

RSM
3/7
OCF
3/8
Dr
3/8

DRAFT

RSM/esr
March 7, 1961

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE No. 2199

Order No. R- 1901

APPLICATION OF TEXACO INC. FOR
AN OIL-OIL-OIL TRIPLE COMPLETION
IN THE ~~DRINKARD POOL, THE BLINEBRY~~
~~OIL POOL, AND THE PADDOCK POOL,~~ *the Blinebry^{oil} Pool and the Drinkard Pool,*
LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on
March 3, 1961, at Santa Fe, New Mexico, before Daniel S. Nutter,
Examiner duly appointed by the Oil Conservation Commission of New
Mexico, hereinafter referred to as the "Commission," in accordance
with Rule 1214 of the Commission Rules and Regulations.

NOW, on this _____ day of March, 1961, the Commission,
a quorum being present, having considered the application, the
evidence adduced, and the recommendations of the Examiner,
Daniel S. Nutter, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by
law, the Commission has jurisdiction of this cause and the subject
matter thereof.

(2) That the applicant, Texaco Inc., is the owner and
operator of the A. H. Blinebry (NCT-1) Well No. 13, located in
Unit E, Section 29, Township 22 South, Range 38 East, NMPM,
Lea County, New Mexico.

(3) That the applicant proposes to triple complete the
above-described well in such a manner as to permit the produc-
tion of oil from the ^{Paddock}~~Drinkard~~ Pool, the production of oil from
the Blinebry Oil Pool, and the production of oil from the
^{Drinkard}~~Paddock~~ Pool through parallel strings of tubing.

(4) That the mechanics of the proposed triple completion
are feasible and in accord with good conservation practices.

(5) That approval of the subject application will neither
cause waste nor impair correlative rights.

IT IS THEREFORE ORDERED:

That the applicant, Texaco Inc., is hereby authorized to triple complete its A. H. Blinebry (NCT-1) Well No. 13, located in Unit E, Section 29, Township 22 South, Range 38 East, NMPM, Lea County, New Mexico, in such a manner as to permit the production of oil from the ^{Paddock}~~Drinkard~~ Pool, the production of oil from the Blinebry Oil Pool, and the production of oil from the ^{Drinkard}~~Paddock~~ Pool through parallel strings of tubing.

PROVIDED HOWEVER, That the applicant shall complete, operate, and produce said well in accordance with the provisions of Section V, Rule 112-A.

PROVIDED FURTHER, That the applicant shall take packer-leakage tests upon completion and annually thereafter during the Annual Gas-Oil Ratio Test Period for the Drinkard Pool, or at such other times as the Secretary-Director of the Commission may prescribe.

IT IS FURTHER ORDERED:

That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or the protection of correlative rights. Upon failure of the applicant to comply with any requirement of this order, the Commission may terminate the authority herein granted and require the applicant or its successors and assigns to limit its activities to dual zone or regular single-zone production in the interest of conservation.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

GOVERNOR
EDWIN L. MECHEM
CHAIRMAN

State of New Mexico
Oil Conservation Commission

STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR

LAND COMMISSIONER
E. S. JOHNNY WALKER
MEMBER



P. O. BOX 671
SANTA FE

March 9, 1961

Mr. Charlie White
Gilbert, White & Gilbert
Box 787
Santa Fe, New Mexico

Re: Case No. 2199
Order No. B-1901
Applicant:
Texas, Inc.

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Very truly yours,
A. L. Porter, Jr.
A. L. PORTER, Jr.
Secretary-Director

ir/

Carbon copy of order also sent to:

Hobbs OCC x
Artesia OCC
Aztec OCC

OTHER

**BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO**

**IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:**

**CASE No. 2199
Order No. R-1901**

**APPLICATION OF TEXACO INC. FOR
AN OIL-OIL-OIL TRIPLE COMPLETION
IN THE PADDOCK POOL, THE BLINBRY
OIL POOL AND THE DRINKARD POOL,
LEA COUNTY, NEW MEXICO.**

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on March 3, 1961, at Santa Fe, New Mexico, before Daniel S. Hutter, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 9th day of March, 1961, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Hutter, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Texaco Inc., is the owner and operator of the A. H. Blimbry (NCT-1) Well No. 13, located in Unit B, Section 29, Township 22 South, Range 38 East, NEM, Lea County, New Mexico.

(3) That the applicant proposes to triple complete the above-described well in such a manner as to permit the production of oil from the Paddock Pool, the production of oil from the Blimbry Oil Pool, and the production of oil from the Drinkard Pool through parallel strings of tubing.

(4) That the mechanics of the proposed triple completion are feasible and in accord with good conservation practices.

(5) That approval of the subject application will neither cause waste nor impair correlative rights.

-2-
CASE No. 2199
Order No. R-1901

IT IS THEREFORE ORDERED:

That the applicant, Texaco Inc., is hereby authorized to triple complete its A. H. Blinabry (NCT-1) Well No. 13, located in Unit E, Section 29, Township 22 South, Range 38 East, NMPN, Lea County, New Mexico, in such a manner as to permit the production of oil from the Paddock Pool, the production of oil from the Blinabry Oil Pool, and the production of oil from the Drinkard Pool through parallel strings of tubing.

PROVIDED HOWEVER, That the applicant shall complete, operate, and produce said well in accordance with the provisions of Section V, Rule 112-A.

PROVIDED FURTHER, That the applicant shall take packer-leakage tests upon completion and annually thereafter during the Annual Gas-Oil Ratio Test Period for the Drinkard Pool, or at such other times as the Secretary-Director of the Commission may prescribe.

IT IS FURTHER ORDERED:

That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or the protection of correlative rights. Upon failure of the applicant to comply with any requirement of this order, the Commission may terminate the authority herein granted and require the applicant or its successors and assigns to limit its activities to dual zone or regular single-zone production in the interest of conservation.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION



EDWIN L. MECHEM, Chairman



H. S. WALKER, Member



A. L. PORTER, JR., Member & Secretary



OSI/

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
March 3, 1961

IN THE MATTER OF:

Application of Texaco, Inc. for an oil-oil-oil triple completion. Applicant, in the above-styled cause, seeks an order authorizing the triple completion of its A. H. Blinebry (NCT-1) Well No. 13, located in Unit E, Section 29, Township 22 South, Range 38 East, Lea County, New Mexico, in such a manner as to permit the production of oil from the Drinkard Pool, the production of oil from the Blinebry Oil Pool and the production of oil from the Paddock Pool through parallel strings of tubing.

Case
2199

BEFORE:

Daniel S. Nutter, Examiner

TRANSCRIPT OF HEARING

MR. NUTTER: Hearing will come to order, please. We would like first of all to recognize Mr. Langdon Taylor, Professor of Petroleum Engineering of the School of Mines, and his class, who are in attendance.

We will hear, first, Case No. 2199.

MR. MORRIS: Application of Texaco, Inc. for an oil-oil-oil triple completion.

MR. WHITE: If the Examiner please, Charles White of Gilbert, White and Gilbert, Santa Fe, appearing on behalf of the applicant. We have one witness to be sworn at this time.

(Witness sworn.)

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO



J. E. ROBINSON, JR.

called as a witness, having been previously duly sworn, testified as follows:

DIRECT EXAMINATION

BY MR. WHITE:

Q Mr. Robinson, will you state your full name for the record, please?

A J. E. Robinson, Jr.

Q By whom are you employed and in what capacity?

A I am employed by Texaco as Division Proration Engineer.

Q Are you familiar with the subject application in Case No. 2199?

A Yes, I am.

Q Will you briefly state what is sought by the application?

A This is the application of Texaco, Inc. to triple complete its A. H. Blinebry (NCT-1) Well No. 13 as an oil-oil-oil triple from the Drinkard, Blinebry and Paddock Pools with each pool being produced through independent parallel strings of tubing.

Q Give the location of this well.

A The well is located 2310 feet from the North line and 330 feet from the West line of Section 29, Township 22 South, Range 38 East, Lea County, New Mexico.

Q Will you refer to the ownership plat, being Exhibit No. 1, and describe that for the Examiner, please?

A Exhibit No. 1 is a plat showing the location of Well No.

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO



13, which is the proposed triple on our A. H. Blinebry (NCT-1) Lease. The lease is shown by the yellow border, and there are both Blinebry and Drinkard completions offsetting the subject well.

Q Where is the closest Paddock production?

A The closest Paddock production is Texaco's Lockhard No. 3, which is located approximately one and a half miles north of the subject well. The plat also shows the pool designation of all the wells in the immediate vicinity of the subject well along with the names and addresses of all offset operators.

Q Will you refer to Exhibit No. 2 and describe that, please?

A Exhibit No. 2 is a diagrammatic sketch of the proposed triple completion installation.

Q Mr. Robinson, when was this exhibit prepared?

A The exhibit was prepared on January the 23rd, about the time we started drilling this well.

Q What is the status of the well at present?

A The well has reached a T. D. of 7,000 feet, and we are presently testing the Drinkard.

Q As you explain this exhibit will you point out any differences there might be between the actual completion of the well and that as proposed on the exhibit?

A The actual completion of the well will follow the schematic diagram here with a few exceptions, and that being in the number of feet of casing set. They may vary a little bit. We will start off here. We drilled a 17 $\frac{1}{2}$ -inch hole and set 13 $\frac{3}{8}$ -inch casing at 310



feet. The diagram shows that we were going to set it at 300 feet, but we set it at 310 feet and cemented with 400 sacks of cement with the cement circulating to the surface of the ground.

We then went out from under the 13 3/8-inch casing with 12 3/4-inch, and we drilled the 12 3/4-inch hole to 2950 and set 9 5/8-inch casing at 2950 with 2,000 sacks of cement with the cement circulating to the surface of the ground. After we set the 9 5/8 intermediate string we went out from under it with 8 3/4-inch hole and drilled to 6828 and then we reduced the hole size to a 6 3/4-inch and drilled to a T. D. of 7,000 feet. After we reached a T. D. we set a 7-inch liner at 6828, with the top of the liner at 2857. This varies a little bit from my diagram here in that I believe we showed we were going to set the 7-inch liner at bottom at 6830. Actually, we set it at 6828, and the top was at 2857 rather than the 2850 that we show on the diagrammatic sketch.

After we set the 7-inch liner we cemented around the bottom with 400 sacks of cement and then we set a retainer at 2760, and squeezed the top of the liner with 200 sacks of cement. We then ran a gamma ray and a cement bomb log, with the bomb log indicating that we had cement bonded to the pipe from 6828 to 3740 as a result of cementing around the bottom of the liner, and from the top we had cement from 2857 to 3286.

Q Mr. Robinson, in your opinion, does this cement job adequately protect all zones?

A Yes, sir. The cement from the bottom of the liner pro-

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO



tests all three zones that we are proposing to complete in this well.

Q Are you in a position at this time to give the crude characteristics of the zone?

A Yes, sir. We are presently testing the Drinkard. The open hole, 6828, 7,000 feet, was acidized with 3,000 gallons, and after recovering the lode oil the well, in 32 hours, flowed 141 barrels of new oil on a 28/64-inch choke. The gravity was 39.7 and the gas-oil ratio is 4,250 to one with the tubing pressure of 800 pounds. The bottom hole pressure is estimated to be at 2500 pounds. The crude is an intermediate sweet-type crude, and we have no corrosion or paraffin problems existing in the Drinkard.

Q How long do you anticipate this well to flow?

A With the present gas-oil ratio and the experience that we have gained from other wells located in this same area that occupy about the same position on the structure, we anticipate that the Drinkard will flow to depletion. However, if it doesn't, we will be able to pump the zone.

Q Will you give the characteristics of the Blinebry, please?

A The Blinebry will be perforated from 5570 to 5670. We are hoping to get a well with a gas-oil ratio below 6,000 to one. However, we expect that will probably be 6,000 or greater. The gravity is 40 degrees, and the bottom hole pressure is calculated to be approximately 2200 pounds. The crude is an intermediate sweet and no paraffin or corrosion problems exist.

Q How long do you anticipate the Blinebry to flow?

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-4691

ALBUQUERQUE, NEW MEXICO

A The Blinebry will flow to depletion.

Q If necessary, will you be able to pump this zone?

A Yes, sir, we can pump this zone if necessary.

Q What are the characteristics of the Paddock?

A Well, the Paddock is the dark horse in this application here. It will determine if we make a triple or dual completion. Actually, when we drilled the well we got the control we needed, we thought, to make a Paddock completion, but we took a drill stem test through a 21-foot interval that the other well, Lockhart No. 3, is completed in, and we recovered salt water with a slight show of oil, but we are going to attempt to move up in the formation just a little bit and see if we can't get away from water and make a completion, and if we do we expect a gas-oil ratio to be approximately 1,000 to one, and the gravity will be in the range of 40 to 44 degrees. The crude is sour, and it presents both a corrosion and a paraffin problem.

Q What steps will you take to remedy these problems?

A We will run internally plastic-coated tubing to protect the Paddock. The tubing will be coated with a plastic that is suitable for both corrosion and for a prevention of paraffin accumulating.

Q Again referring to Exhibit No. 2, will you explain what type of equipment you propose to install and at what depth you intend to set the packers?

A We will set a Baker Model D packer at 5600 feet. Then we



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

will set a Baker Model F packer at 5250 feet. The Baker Model D packer will be set between the Drinkard and the Blinebry, and the Baker Model F packer will be set between the Blinebry and the Paddock, and then we will set a Baker Model FA packer at 5128 feet. We will then take our triple zone flow tube. We will run 2 3/8 flush joint tubing from 5125 to 6800 feet with proper spacing nipples and seals where we can seal off the Drinkard and the Blinebry through the Baker Model D packer. Also, in the bottom of the triple flow tube we will run 3 1/2-inch C.S. high-drill tubing with the proper spacers and seals to seal through the Baker Model F packer at 5250. The triple flow tube will then be lowered and seated into the Baker Model FA packer at 5125 with the upper string consisting of 2 3/8 buttress thread tubing with special clearance collars. After it is seated in, then we will run two other strings of 2 3/8 buttress thread tubing with special clearance couplings and seat into the triple zone flow tube. Thus we can produce each zone independently through separate strings of tubing. The Drinkard will be produced through the inside string as shown here in red. The Blinebry will be produced up through the Baker Model F packer in the annulus between the 3 1/2-inch high drill tubing and the 2 3/8 flush joint tubing. It will go up into the triple zone flow tube and then will be crossed over and be produced on out through the 2 3/8 buttress tubing. Then the Paddock will be -- shown here in green -- will pass up through the triple zone flow tube where it will be produced through another string of 2 3/8 buttress.



Q Then, in other words, all three zones will be completely isolated and produced through independent strings of tubing?

A That's correct.

Q Were these exhibits prepared by you or under your direction?

A Yes, sir, they were.

MR. WHITE: At this time we offer Exhibits 1 and 2.

MR. NUTTER: Exhibits 1 and 2 will be admitted.

Q (By Mr. White) After the well is completed, will you submit to the Commission electric logs with the tops marked, packer leakage tests and accurate schematic sketch showing the completed installation in lieu of Exhibit No. 2?

A Yes, sir. I tried to get a log on this well to present at this hearing, but we have not received our finished copies of the log, but after we receive them and get the well completed we will mark all tops, show the correct perforations, and a new drawing showing the actual perforations and the tops and the tops that all casings were set.

MR. WHITE: If the Examiner please, that completes our direct examination.

MR. NUTTER: Does anyone have questions of Mr. Robinson?

BY MR. PAYNE:

Q Would you give the gravity of the Blinbry crude?

A The gravity is 45 degrees.

Q What do you expect on the Drinkard?

A The gravity on the Drinkard from this well was measured



at 39.7 degrees, corrected to 60 degrees.

Q And on the Paddock you anticipate 40 to 44 degrees?

A Yes, sir. The other Paddock well on our Blinebry 3 has a gravity, I believe, of 44.1 degrees.

Q Mr. Robinson, is this Baker Model F packer a permanent-type packer?

A Yes, sir. All three of the packers are permanent-type packers.

Q Could you give the pressure differentials which you would expect at each of these packers?

A We will have a differential between the Drinkard and the Blinebry of 300 pounds, and then we will have a differential between the Blinebry and the Paddock of 400 pounds. Actually, we took a drill stem test on the Paddock and we had a bottom hole pressure there, initial bottom hole pressure of 1805 pounds, so we would have approximately 400 pounds differential between the Blinebry and the Paddock.

Q Mr. Robinson, do I understand that you are going to flow the Blinebry through the annular space?

A On the bottom of this triple flow tube you will have two strings of tubing, one being the 2 3/8-inch, and then you will have a short string from 1525 to 5255 of 3 1/2-inch high-drill, and we will produce the Blinebry up through this 3 1/2. Actually, it is in the annulus between the 3 1/2 and 2 3/8 up into the triple flow tube where it will be crossed over and produced through the buttress.

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO



Q Do you feel this will provide an efficient flow method?

A Yes, sir.

BY MR. NUTTER:

Q Mr. Robinson, what actual distance is the oil flowing through the annulus between the 3 1/2 and 2 3/8?

A About 130 feet, from 1525; the triple zone flow tube will be sealed in the FA packer. We will set the FA packer at 1525 and then we will flow this Blinbry up about 130 feet before it gets into the triple flow tube and crossed over, and then produced on up through the 2 3/8.

Q Will the 3 1/2 actually go through the Model F, or will it be latched into the packer?

A The 3 1/2-inch will be made up on the triple flow tube, and then it will be sealed into the Baker model F packer.

Q Now, the triple flow tube will be run on the Drinkard string, will it?

A Yes, sir.

Q And the Blinbry string and the Paddock string will be run in and latched into the triple flow tube?

A That's correct. They will be run loose. Actually we could pull either the tubing for the Paddock or the Blinbry, but if we were to pull the Drinkard then we would have to pull the other two strings.

Q You said that you tested a 21-foot interval and recovered salt water. Is the 21-foot interval you tested the equivalent of

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO



5160 to 5180 shown on the schematic?

A Yes, it is.

Q If you make a Paddock completion it will be above 5180?

A I would say, roughly, about 5150.

Q And it is speculative at the present time whether you will get a Paddock well or not?

A It sure is. Actually, this well ran a little bit high to our Lockhart No. 3. We know we are on strike with the other well, but this is one of those instances where even if you get the control you are not always assured of a completion.

Q MR. NUTTER: Any further questions of Mr. Robinson? He may be excused. Do you have anything further, Mr. White?

MR. WHITE: No, thank you.

MR. NUTTER: Does anyone have anything further to offer in this case? Commission will take the case under advisement.

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) ss

I, JUNE PAIGE, Court Reporter, do hereby certify that the foregoing and attached transcript of proceedings before the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, is a true and correct record to the best of my knowledge, skill and ability.

IN WITNESS WHEREOF I have affixed my hand and notarial seal this 8th day of March, 1961.

June Paige
Notary Public - Court Reporter

My Commission expires:
May 11, 1964.



I N D E X

| <u>WITNESS</u> | <u>PAGE</u> |
|---------------------------------|-------------|
| J. E. ROBINSON, JR. | |
| Direct Examination by Mr. White | 2 |
| QUESTIONS by Mr. Nutter | 9 |

E X H I B I T S

| <u>NUMBER</u> | <u>EXHIBIT</u> | <u>IDENTIFIED</u> | <u>OFFERED</u> | <u>ADMITTED</u> |
|---------------|---------------------|-------------------|----------------|-----------------|
| Ex.#1 | Location Plat | 2 | 7 | 7 |
| Ex.#2 | Diagrammatic Sketch | 2 | 7 | 7 |

I do hereby certify that the foregoing is
a complete record of the proceedings in
the Examine hearing of Case No. 2189
heard by me on 3/3, 1961.

Ascar, Examiner
New Mexico Oil Conservation Commission

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO



NEW MEXICO OIL CONSERVATION COMMISSION

Examiner Hearing - Daniel S. Nutter

Santa Fe, NEW MEXICO

REGISTER

HEARING DATE March 3, 1961 TIME: 9 a.m.

| NAME: | REPRESENTING: | LOCATION: |
|-----------------------------|------------------------|--------------------|
| Lewkins | SWG | Santa Fe |
| W. H. Lanning | EPNG | El Paso |
| Jerry Hickman | " | " |
| Ed Robinson | TEACO Inc | MIDLAND |
| Samuel Whitworth | EPNG | EL PASO |
| Frank Newman | Stewart & Malac | Ree - |
| W. J. Sandberg | Pan Am. Pet. Co. | Lubbock Tex |
| J. B. Winstead | Hervey, Dow & Hinkle | Roswell, N.M. |
| John L. Langer | Great Western Drilling | MIDLAND |
| H. J. Frost Jr | Atlantic Refining Co. | Midland |
| Ray M. Young | Ohio Oil | Houston Texas |
| W. D. Wirtz | Agter Oil Co | Farmington |
| Joe O. Cannon | " " | " |
| George R. Hoy | Handala Oil Corp. | Midland Texas |
| Jack C. Bender | The Ohio Oil Co | Denver City, Texas |
| JO Terrell Cause | | Houston Tex |

NEW MEXICO OIL CONSERVATION COMMISSION
Examiner Hearing - Daniel S. Nutter
Santa Fe, NEW MEXICO

REGISTER

HEARING DATE March 3, 1961 TIME: 9 a.m.

| NAME: | REPRESENTING: | LOCATION: |
|--|--|---|
| Wesley N Perry Jr Jason Kellahin Frank E. Inby | Humble Oil & Ref. Co Kellahin & Fox State Engr. Off | Hobbs, N.M. Santa Fe, N.M. Santa Fe |
| J. B. Lodie Lamar Hunt J. H. Rogers | Sinclair Oil & Gas E G Rodman Sinclair Oil & Gas Co. | Roswell NM Santa Fe Roswell, NM. |
| R. L. Tucker Jack M Campbell | Sinclair Oil & Gas Co Campbell & Russell | Roswell, N.M. Roswell NM |